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( SEQ ID NO:1)

[ctggttcttgtctggcttggcccaa (CTTCTCGGGATCGGCCAGTTCGACT) ]  
(SEQ ID NO:2)

[ggtcctcgctctgtgtccgttgaa (AGAAGTGCTGGAGCTGGGTCAGGTG) ]  
(SEQ ID NO:3)

**FIGURE 1**

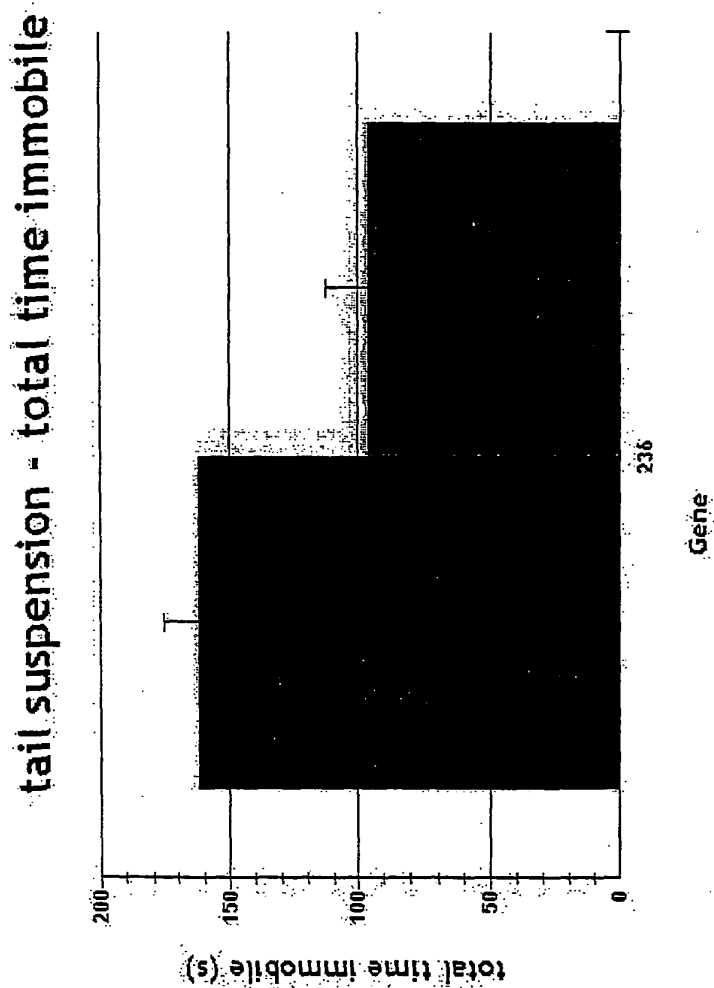


FIGURE 2

ANOVA Table for latency  
Row exclusion: t236shuttledata.svd

	DF	Sum of Squares	Mean Square	F-Value	P-Value	Lambda	Power
geno	1	25.632	25.632	.953	.3388	.953	.148
Residual	24	645.835	26.910				

Means Table for latency  
Effect: geno  
Row exclusion: t236shuttledata.svd

	Count	Mean	Std. Dev.	Std. Err.
++	10	8.361	4.113	1.301
--	16	10.402	5.736	1.434

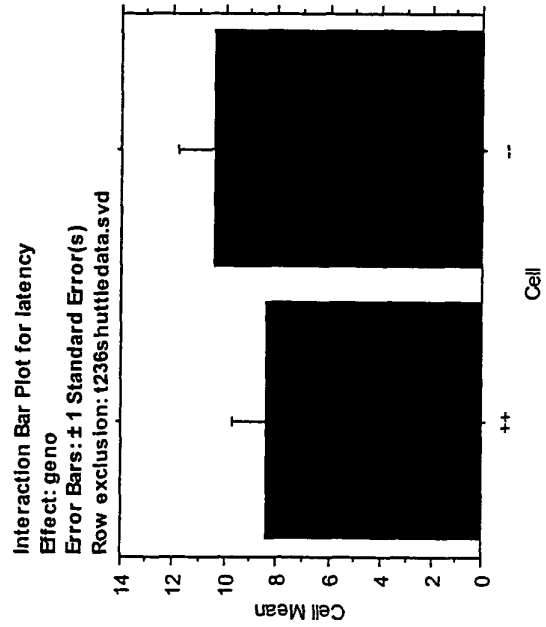


FIGURE 3

ANOVA Table for 1wk latency  
Row exclusion: t236shuttledata.svd

	DF	Sum of Squares	Mean Square	F-Value	P-Value	Lambda	Power
geno	1	39.740	39.740	5.675	.0300	5.675	.606
Residual	16	112.042	7.003				

Means Table for 1wk latency

Effect: geno

Row exclusion: t236shuttledata.svd

	Count	Mean	Std. Dev.	Std. Err.
++	8	3.609	1.616	.572
--	10	6.599	3.227	1.021

Interaction Bar Plot for 1wk latency  
Effect: geno  
Error Bars:  $\pm 1$  Standard Error(s)  
Row exclusion: t236shuttledata.svd

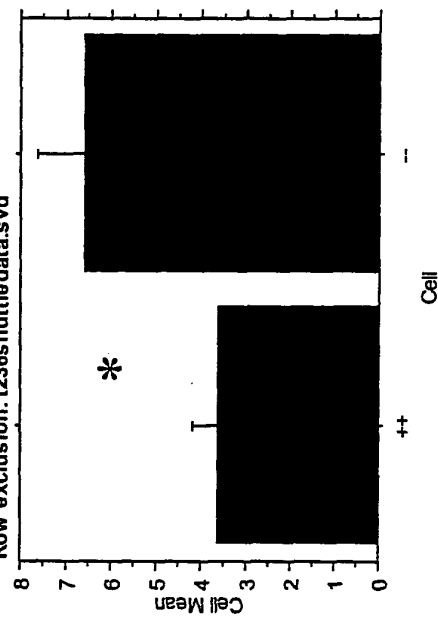


FIGURE 4

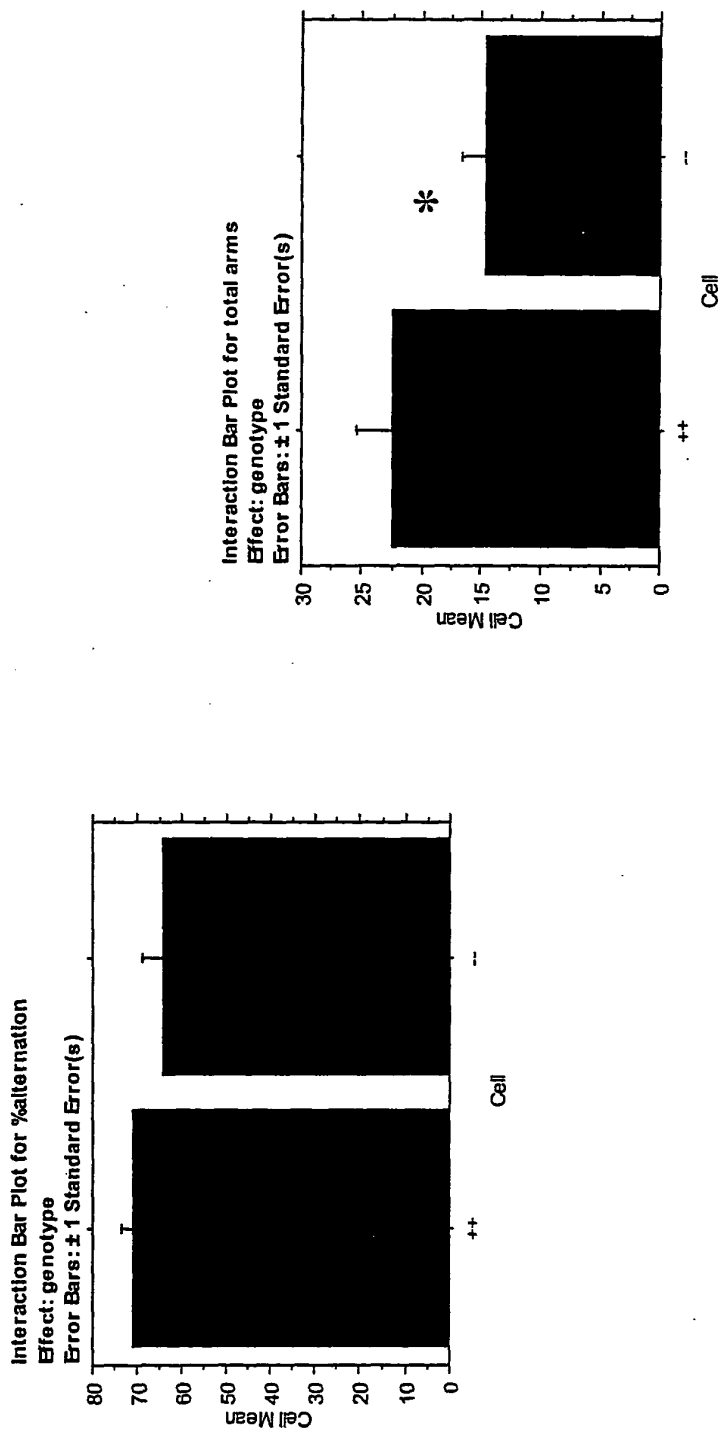


FIGURE 5

ANOVA Table for Open Field average velocity

	DF	Sum of Squares	Mean Square	F-Value	P-Value	Lambda	Power
Genotype	1	5.208	5.208	.040	.8442	.040	.054
Residual	20	2626.684	131.333				

Means Table for Open Field average velocity

Effect: Genotype	Count	Mean	Std. Dev.	Std. Err.
+/+	12	38.348	12.933	3.733
-/-	10	37.370	9.350	2.957

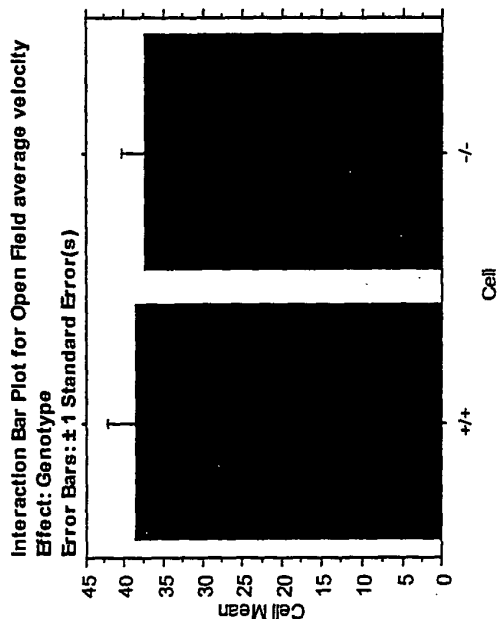


FIGURE 6